also advantageous when the digital input variables are obtained from secondary variables, sampled with the aid in each case of a dedicated operating clock, of measuring transducers in an electric power supply system. In this case, the measuring transducers can be arranged at various positions, for example in a transformer substation, or can be obtained as a component of a differential protective arrangement at the ends of an electric power supply line or at other terminals of a generator or power transformer.

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Page 4, please replace the consecutive paragraphs beginning on line 29 and ending on page 6, line 37:

As illustrated in Figure 1, an analog input signal x(t) at input, is converted in an analog-to-digital converter 2 into a digital input signal x(k). This digital input signal x(k) traverses a signal encoder 3 formed by a differentiator, resulting at the output of the signal encoder 3 in a pulse train xd(k) which has been produced by differentiating the digital input signal x(k). A transmission device 4 transmits the pulse train xd(k) via a transmission channel 5 to a receiving device 6 which outputs the pulse train xd(k) on the output side.

The arrangement illustrated in Figure 1 includes a receiving device 7 which is connected with its input 8 to an input 9 of the arrangement similar to the receiving device 6 with reference to the input 8. The dotted illustration is intended to include an analog-to-digital converter corresponding to the analog-to-digital converter 2, a signal encoder corresponding to the signal encoder 3, a transmitting device corresponding to the transmitting device 4, and a transmission channel corresponding to the transmission channel 5. A pulse train yd(k) obtained in accordance with the pulse train xd(k) of the signal y(t) is then produced at the output of the further receiving device 7.